



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

8GB DDR4 RAM

256GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: R-I3_12-8-S256-12_5-M-THINUX-0



Experience Unrivaled Performance in a Featherlight Powerhouse.

The Thinvent® Neo R/4 Mini PC redefines compact computing, blending robust performance with unparalleled portability. Engineered for the modern professional, this mini PC is your ideal partner for demanding tasks and seamless operation.

Performance Powerhouse

Powered by an Intel® Core™ i3-1215U processor, featuring 6 cores that surge up to 4.4 GHz and a substantial 10 MB cache, the Neo R/4 ensures lightning-fast responsiveness for all your tasks. With a generous 32GB DDR4 RAM, you'll effortlessly juggle multiple applications and heavy workloads, while the 128GB SSD delivers rapid boot-ups and swift data access, enhancing overall system fluidity.

Thinvent Thinux™ Advantages

The Thinvent® Neo R/4 operates on Thinux™ Embedded Linux, a secure, efficient, and purpose-built platform designed for superior stability and versatile remote manageability.

- Effortless remote access with RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Streamlined browser-based remote management.
- Integrated productivity with LibreOffice and PDF viewer.

- Broad application support for Java, Python, and glibc-based location apps.
- Built-in multimedia (MPEG4) and essential browsing (Chromium, Firefox).
- Comprehensive SIP video and voice over IP communications.

Comprehensive Connectivity & Design

Connectivity is robust, offering 2x USB 3.2 and 2x USB 2.0 ports, Gigabit Ethernet (1000 Mbps), and dual-band Wi-Fi 5 (802.11ac) for flexible networking. Enjoy dual display support via HDMI and VGA, with dedicated Speaker Out and Mic In ports for all your audio needs. All this power is encased in an ultra-durable, power-coated black steel housing, measuring a mere 198mm x 200mm x 73mm and astonishingly weighing just 110 grams.

Uncompromising Reliability

Powered by a 12V 7A adapter with a wide 100~275V AC input for global compatibility, the Neo R/4 is BIS, RoHS, and ISO certified, guaranteeing trusted quality. It operates reliably from 0°C to 40°C in 20% ~ 80% non-condensing humidity. Empower your workspace with the Thinvent® Neo R/4 – a compact, powerful, and secure solution for superior productivity.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	8 GB
SSD Storage	256 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	5 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 Metre

ENVIRONMENTAL

Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

PHYSICAL

Form Factor	Mini PC
Dimensions	198mm × 200mm × 73mm
Packing Dimensions	340mm × 235mm × 105mm
Weight	110 grams
Housing Material	Steel
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	1.59kg, 2.01kg

OPERATING SYSTEM

Operating System	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

Ordering Information

PRODUCT CODE

R-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32_32 = 64GB
DDR4 RAM (2 x
32GB)16_16 = 32GB
DDR4 RAM (2 x
16GB)8_8 = 16GB DDR4
RAM (2 x 8GB)

SSD

m128 = 128GB

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

Thinix = Thinix™ Embedded Linux

W_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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